

[Processing unexpected transmission interruptions in a wireless communications system]

Abstract of Disclosure

A radio link control (RLC) layer provides RLC entity information to a medium access control (MAC) layer. The RLC entity information indicates that the RLC layer has service data unit (SDU) data to be transmitted. After providing the RLC entity information, the RLC layer receives an unexpected data interruption that requires the RLC layer to discard or interrupt transmitting the SDU data. After the unexpected data interruption, the MAC layer requests at least a protocol data unit (PDU) from the RLC layer in response to the RLC entity information. The RLC layer then submits to the MAC layer at least one padding PDU in response to the MAC request. The padding PDU is submitted in place of the discarded SDU data. Alternatively, the affected SDU data is not discarded until the next transmission time interval (TTI).

Figures